



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

January 21, 2010  
PJ/DW

**RECEIVED**

JAN 29 2010

Water Enforcement &  
Compliance Assurance Branch  
U.S. EPA Region 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2009  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December compiled by our groundwater consultant, WeaverBoos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 579.18 feet with a low of 578.75 feet. Although this quarterly average is about ½ foot above the average level noted when we first wrote your office in October 2000, the average value for the current quarter continues to be about 2 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based



on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. A. Maciel", is positioned below the "Very truly yours," text.

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

January 21, 2010

Ref.: PJ/RA/DW

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
10/19/2009	1.3
11/2/2009	11
12/7/2009	10



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United States Environmental Protection Agency  
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Chicago, Illinois 60604-3590

RECEIVED

APR 13 2010

Water Enforcement &  
Compliance Assurance Branch  
U.S. EPA Region 5

April 9, 2010  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2010  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December compiled by our groundwater consultant, WeaverBoos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.62 feet with a low of 578.00 feet. This quarterly average is the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about 2.5 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to



operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

April 9, 2010  
Ref.: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/4/2010	10
2/8/2010	12
3/8/2010	11



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

July 27, 2010  
PJ/DW

**RECEIVED**

AUG 13 2010

Water Enforcement &  
Compliance Assurance Branch  
U.S. EPA Region 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2nd Quarter 2010  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for April, May, and June compiled by our groundwater consultant, WeaverBoos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.95 feet with a low of 578.8 feet. This quarterly average is just above the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about two feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to



operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

July 27, 2010

Ref.: PJ/RA/DW

Attachment 1

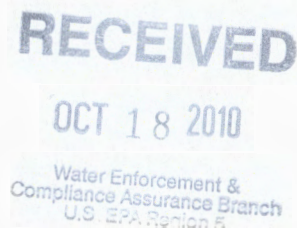
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
4/5/2010	11
5/12/2010	1.5
6/7/2010	10



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590



October 11, 2010  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2010  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for July, August and September compiled by our groundwater consultant, WeaverBoos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 579.01 feet with a low of 578.5 feet. Although this quarterly average about 0.5 feet above the average level noted when we first wrote your office in October 2000, the average value for the current quarter is continues to be approximately 1.5 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based



# ArcelorMittal

on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

October 11, 2010

Ref: PJ/RA/DW

Attachment 1

ArcelorMittal Burns Harbor, LLC

Nitrogen Ammonia Analytical Report

Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
7/6/2010	8.8
8/9/2010	12
9/7/2010	11

ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



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Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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JAN 21 2011

January 14, 2011  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree—Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2010  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm—Dewatering Monitoring Status Report" sheets for October, November and December compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.19 feet with a low of 577.8 feet. This quarterly average is just below the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is more than 2 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the SP wells in 1996 and 1997. With the exception of DW-8, DW-9

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Environmental Mgmt. Dept. F +1 219 787 4973  
250 W. U.S. Highway 12 www.arcelormittal.com  
Burns Harbor, IN 46304  
USA



and DW-11 which experienced some maintenance and weather related issues, the dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact D. P. Bley or me at (219) 787-2712.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

January 14, 2011

Ref.: PJ/RA/DW

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
10/11/2010	10
11/8/2010	9
12/6/2010	9.7

ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



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Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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APR 12 2011

April 8, 2011  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2011  
ArcelorMittal Burns Harbor, LLC

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Dear Sir:

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This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 577.64 feet with a low of 577.25 feet. This quarterly average is approximately 0.75 feet below the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about 2.66 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based

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250 W. U.S. Highway 12 www.arcelormittal.com  
Burns Harbor, IN 46304  
USA



# ArcelorMittal

on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Gerry Golubski, Environmental Scientist, EPA Region 5

Attachments

April 8, 2011  
Ref.: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/17/2011	9.8
2/16/2011	9
3/2/2011	8.8



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Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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JUL 20 2011

July 13, 2011  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2nd Quarter 2011  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

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This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.76 feet with a low of 577.8 feet. Although this quarterly average is approximately 0.4 feet above the average level noted when we first wrote your office in October 2000 it remains about 1.5 feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to



# ArcelorMittal

operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Jennifer Jungmann, EPA Region 5

Attachments

July 13, 2011  
Ref.: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
4/20/11	9.1
5/4/11	9.3
6/10/11	7.0

88  
ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
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Chicago, Illinois 60604-3590

RECEIVED

OCT 14 2011

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

October 7, 2011  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2011  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

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The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based

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USA



# ArcelorMittal

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Jennifer Jungmann, EPA Region 5

Attachments

October 7, 2011  
Ref.: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
7/6/11	7.9
8/3/11	9.3
9/7/11	7.5



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

January 17, 2012  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2011  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December 2011 compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.4 feet with a low of 577.75 feet. This quarterly average is approximately the same as the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about 1 foot below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based



# ArcelorMittal

on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Jennifer Jungmann, EPA Region 5

Attachments

January 17, 2012

Ref.: PJ/RA/DW

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
10/5/11	7.5
11/2/11	8
12/7/11	11

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

APR 18 2012

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**

April 13, 2012  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2012  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February and March 2012 compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.4 feet with a low of 578.1 feet. This quarterly average is the same as the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about 2 feet below the Lake level that existed at the time the Decree was drafted.

**ArcelorMittal Burns Harbor, LLC.** T +1 219 787 2712  
Environmental Mgmt. Dept. F +1 219 787 4973  
250 W. U.S. Highway 12 www.arcelormittal.com  
Burns Harbor, IN 46304  
USA



The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the SP wells in 1996 and 1997. The dewatering wells continue to operate properly but, as a result of the low Lake level, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Jennifer Jungmann, EPA Region 5

Attachments

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

Date	Nitrogen Ammonia (mg/l)
01/04/12	8.6
02/08/12	7.1
03/07/12	7.6

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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JUL 17 2012

July 13, 2012  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2nd Quarter 2012  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for April, May and June 2012 compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.5 feet with a low of 578.25 feet. This quarterly average is approximately the same as the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about 2 feet below the Lake level that existed at the time the Decree was drafted.

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Burns Harbor, IN 46304  
USA



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Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

Date	Nitrogen Ammonia (mg/l)
04/04/12	6.8
05/02/12	6.7
06/06/12	7.2



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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OCT 12 2012

October 10, 2012  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2012  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for July, August and September 2012 compiled by our groundwater consultant, Weaver Boos Consultants. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

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As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 577.69 feet with a low of 577.25 feet. This quarterly average is approximately three quarters of the foot lower than the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about two and a half feet below the Lake level that existed at the time the Decree was drafted.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based



# ArcelorMittal

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

October 10/2012  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
7/2/2012	6.7
8/8/2012	7.1
9/x/2012	8.1

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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JAN 16 2013

January 11, 2013  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2012  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December 2012 compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

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**ArcelorMittal Burns Harbor, LLC.** T +1 219 787 2712  
Environmental Mgmt. Dept. F +1 219 787 4973  
250 W. U.S. Highway 12 www.arcelormittal.com  
Burns Harbor, IN 46304  
USA



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Very truly yours,

R.A. Maciel  
Environmental Management Department

Cc: Jennifer Jungmann, EPA Region 5

Attachments

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

Date	Nitrogen Ammonia (mg/l)
10/03/12	6.8
11/14/12	6.8
12/12/12	7.5

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**RECEIVED**

APR 18 2013

April 12, 2013  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2013  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides tables that depict the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February and March 2013 compiled by our groundwater consultant, Weaver Boos Consultants, LLC. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

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**ArcelorMittal Burns Harbor, LLC.** T +1 219 787 2712  
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250 W. U.S. Highway 12 www.arcelmittal.com  
Burns Harbor, IN 46304  
USA



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Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

Date	Nitrogen Ammonia (mg/l)
01/09/13	6.3
02/25/13	6.6
03/06/13	6.5

ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

RECEIVED

JUL 16 2013

July 15, 2013  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2nd Quarter 2013  
ArcelorMittal Burns Harbor, LLC

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As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan continue to be extremely low. The average level for the quarter was 578.08 feet with a low of 576.75 feet. This quarterly average is approximately one quarter of the foot lower than the average level noted when we first wrote your office in October 2000. In addition, the average value for the current quarter is about two feet below the Lake level that existed at the time the Decree was drafted.

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USA



# ArcelorMittal

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

July 15, 2013  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
4/26/2013	6.7
5/15/2013	6.4
6/5/2013	5.6

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



CERTIFIED MAIL  
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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

RECEIVED

OCT 22 2013

October 9, 2013  
PJ/DW

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2013  
ArcelorMittal Burns Harbor, LLC

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As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

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I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

Attachment 1

ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

Date	Nitrogen Ammonia (mg/l)
7/03/13	5.5
8/14/13	7.2
9/04/13	7.0

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



CERTIFIED MAIL  
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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

January 20, 2014  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2014  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December 2014 compiled by our groundwater consultant, Weaver Boos Consultants. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree with the exception noted below. A large pipe leak on November 20, 2014 required shutting in all of the wells to repair the piping. As a result, all of the wells froze. This damaged all of the wells to some degree. At this time, all but four have been returned to operation. The remaining four wells will be repaired as soon as additional parts can be obtained.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. The average level for the quarter was 580.34 feet with a low of 579.6 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based

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Burns Harbor, IN 46304  
USA

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**JAN 27 2015**

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**



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on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

January 20, 2015  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
10/30/14	7.4
11/05/14	7.9
12/03/14	7.2

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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

April 10, 2015  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2015  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February and March 2015 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree with the exception of those that were damaged the previous quarter and were awaiting parts for repair. All wells had been repaired as of the end of the first quarter.

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. The average level for the quarter was 579.5 feet with a low of 578 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the

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Burns Harbor, IN 46304  
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APR 16 2015

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**



# ArcelorMittal

exceptions noted above continue to operate properly but several are at depths near their screens and cannot be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

April 10, 2015  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/14/15	6.7
2/04/15	5.7
3/26/15	6.6

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



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JUL 22 2015

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**

July 17, 2015  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2<sup>nd</sup> Quarter 2015  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for April, May and June 2015 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.35 feet with a low of 580 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot

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Burns Harbor, IN 46304  
USA



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be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

July 17, 2015  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
4/8/15	6.2
5/6/15	5.9
6/4/15	6.2

ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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OCT 14 2015

October 9, 2015  
PJ/DW

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2015  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for July, August and September, 2015 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.62 feet with a low of 580.1 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot

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Burns Harbor, IN 46304  
USA



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be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

*Very truly yours,*

R.A. Maciel  
Environmental Management Department

Attachments

October 9, 2015  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
07/09/15	0.24
08/26/15	6.5
09/02/15	6.6



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Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

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APR 19 2016

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

April 15, 2016  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2016  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February and March, 2016 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.19 feet with a low of 579.4 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot



be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

April 15, 2016  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/07/16	7.0
2/03/16	6.9
3/09/16	6.5

ArcelorMittal Burns Harbor, LLC.  
Flat Carbon Steel



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

RECEIVED

JUL 18 2016

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

July 12, 2016  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 2nd Quarter 2016  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for April, May and June, 2016 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 581.09 feet with a low of 580.8 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot

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Burns Harbor, IN 46304  
USA



be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

July 12, 2016  
Ref.: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
4/6/2016	6.8
5/4/2016	6.4
6/8/2016	6.1

**ArcelorMittal Burns Harbor, LLC.**  
Flat Carbon Steel



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**RECEIVED**

**OCT 25 2016**

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**

October 18, 2016  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 3rd Quarter 2016  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for July, August and September, 2016 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.89 feet with a low of 580.4 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot

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Burns Harbor, IN 46304  
USA



# ArcelorMittal

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As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

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Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

October 18, 2016

Ref.: PJ/RA/DW

**Attachment 1**

**ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary**

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
7/18/16	6.3
8/2/2016	5.7
9/19/2016	6.9



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**RECEIVED**

**JAN 18 2017**

**WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5**

January 13, 2017  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 4th Quarter 2016  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow, in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for October, November and December, 2016 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.77 feet with a low of 579.6 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot



# ArcelorMittal

be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

January 13, 2017  
Ref: PJ/RA/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
10/06/16	5.8
11/10/16	6.5
12/06/16	9.0



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chief, Enforcement Branch  
Water Division (WC-15J)  
United States Environmental Protection Agency  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**RECEIVED**

APR 14 2017

WATER ENFORCEMENT & COMPLIANCE  
ASSURANCE BRANCH, EPA, REGION 5

April 11, 2017  
PJ/DW

Subject: Consent Decree – Case No. 2:96-CV-96-RL-1  
Dewatering Well System, 1st Quarter 2017  
ArcelorMittal Burns Harbor, LLC

Dear Sir:

This is to provide the quarterly monitoring report required by Paragraph 23 of the subject Consent Decree. Attachment 1 provides a summary of the nitrogen ammonia analytical results for the monthly grab samples of the combined dewatering well waters as required by Paragraph 20 of the Decree. Attachment 2 provides a table that depicts the daily total flow in thousand gallons per day, from the dewatering well system as required in Paragraph 19 of the Decree. Attachment 3 provides the "East Harbor Arm – Dewatering Monitoring Status Report" sheets for January, February, and March, 2017 compiled by our groundwater consultant, Weaver Consultants Group. These reports provide the level of groundwater in each of the piezometers and the Outfall 002 surface water staff gauge levels as required by Paragraph 9 of the Decree.

This letter will also provide Burns Harbor's statement that "all of the wells, pumps, and pipes in the Dewatering Well System are functioning", as specified in Paragraph 23 of the Decree

As described in previous letters on October 23, 2000 and January 23, 2001 from D. Bley to Mr. J. Fillippini, et. al., and as witnessed by Mr. G. Golubski, water levels in Lake Michigan have been extremely low. Recently, the lake has begun to experience a rise in level. The average level for the quarter was 580.0 feet with a low of 579.6 feet.

The Decree requires that the ground water in the piezometers along the face of the dock wall be maintained at certain depths in reference to Lake levels. These depths vary from piezometer to piezometer and were based on Burns Harbor's experience in operating the wells in 1996 and 1997. The dewatering wells with the exceptions noted above continue to operate properly but several are at depths near their screens and cannot



be adjusted lower. As a result, it has not been possible to maintain the depths specified in the Decree for the piezometers. In the past quarter, all of the piezometers were consistently above the level specified. There is a limit to the level that the wells can operate without damaging the screens or the pumps, and we have reached that limit.

As noted in previous quarterly reports, Mr. Bley has received your office's informal agreement that the drop in lake water level should be viewed as a "force majeure" under the Decree. The more important point is that the well system continues to operate in a manner that meets its purpose.

If there are any questions concerning this matter, please contact T. E Kirk or me at (219) 787-2712.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R.A. Maciel  
Environmental Management Department

Attachments

April 11, 2017  
Ref: PJ/DW

Attachment 1  
ArcelorMittal Burns Harbor, LLC  
Nitrogen Ammonia Analytical Report  
Dockwell Sampling Summary

<u>Date</u>	<u>Nitrogen Ammonia (mg/l)</u>
1/11/17	5.8
2/09/17	7.1
3/07/17	6.4